DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC: SH04-7 REF FAA STC: SR01997NY REF EASA STC: EASA.IM.R.S.00710

PURPOSE:

Update the D412-702-041A/045A/-041B/-045B kits for compatibility with the Dart D412-769-011 Aft Facing Seat Kit.

CHANGE:

Quantity (1) each of D412-702-111A/-113A is replaced with D412-702-121A/-123A. Also Qty (4) x AN4-27A bolts are added to the kits for compatability with the Dart seat. When installing the AN4 bolts in the Dart seat, open the Ø0.188" holes to Ø0.257" (see sheet 4 detail J of this service instruction for reference). Alternate nuts added (see flag note 2 & 3, sheet 4). The parts list in section 25.28 (pg. 87) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 38) of IIN-D412-702 Rev. E is amended as follows:

QTY 041A	QTY -043A	QTY -045A	QTY -047A	QTY -049A	PART NUMBER	DESCRIPTION
X					D412-702-041A	Dart 13-Man 3-Point Shoulder Harness Kit
		X			D412-702-045A	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
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S:						
						1/
1		1			D412-702-111A	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-121A	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-3	BRACKET
1*		1*			D3579-043	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER ·
1*		1*			MS21042L3	NUT
1*		1*			D3569-1	DECAL
1		1			D412-702-113A	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-123A	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-4	BRACKET
1*		1*			D3579-044	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*	1	4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1*		1*			D3569-2	DECAL
` 			-		20000 2	
4		4			AN4-27A	BOLT (NEW)
 					7.4(7.42.7)	A .
NAS:						
	- 1					<u></u>
2		2			D412-702-111A	HARNESS ASSEMBLY
						The state of the s
2		2			D412-702-113A	HARNESS ASSEMBLY
		_=				

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH

DAO # 01-O-01

APPROVED

D. SHEPHERD (DE # 02)

DATE: 10.01.13

CERT. NO.: SH04-7
ISSUE NO.: 3

С	UPDAT	TE MS51865-60	JPH	10.01.13		
В	ADD F	LAG NOTE 2 &	3 AND OPEN AN3 HOLES TO AN4	CP	09.12.10	
Α	NEW IS	SSUE, NCR 09	-068	CP 09.06.30		
REV.			DESCRIPTION	BY	DATE	
DESIGN		₩.	DART AEROSP	ACE	LTD	
DRAWN		4/,	HAWKESBURY, ONTAR			
CHECKE	D	#	DRAWING NO.		REV. C	
MFG. AF	PR.	ΝΆ	DSI 9469		SHEET 1 OF 5	
APPRO\	/ED	W.	TITLE		SCALE	
DE APPR.		#	AFT-FACING SEAT UPDATE		NTS	
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The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	PART NUMBER	DESCRIPTION
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
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1 \$:						•
				T		
1		1		į	D412-702-111B	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-121B	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-3	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
1		1			D412-702-113B	HARNESS ASSEMBLY (EXISTING)
1		1			D412-702-123B	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-4	BRACKET
1*		1*			D3579-048	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
4		4			AN4-27A	BOLT (ADD)
WAS:						
	1				l	
2		2			D412-702-111B	HARNESS ASSEMBLY
2		2			D412-702-113B	HARNESS ASSEMBLY
						1

^{*} DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

BY: D. SHEPHERD (DE # 02)

DATE: 10.01.13
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ISSUE NO.: 3

DESIGN DRAWN	All and the second	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
CHECKED	1	DRAWING NO.	REV. C		
MFG. APPR.	N/A	DSI 9469	SHEET 2 OF 5		
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Figures 4.8 (pg. 25) of IIN-D412-702 Rev. E and 25.12 (pg. 69) of ICA-D412-702 Rev. 3 are updated as follows:

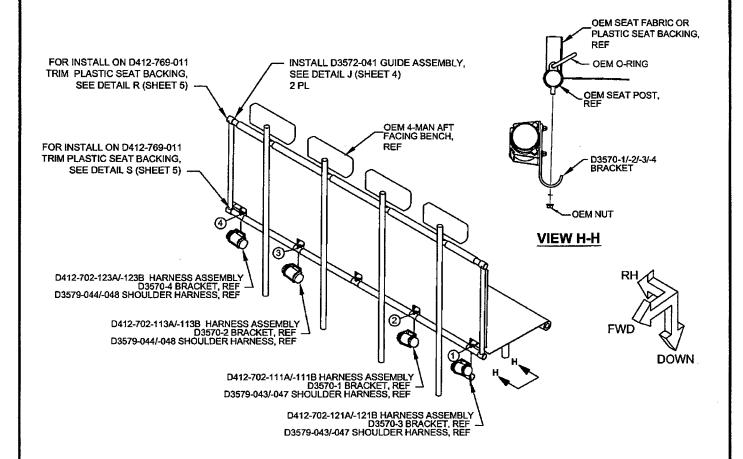
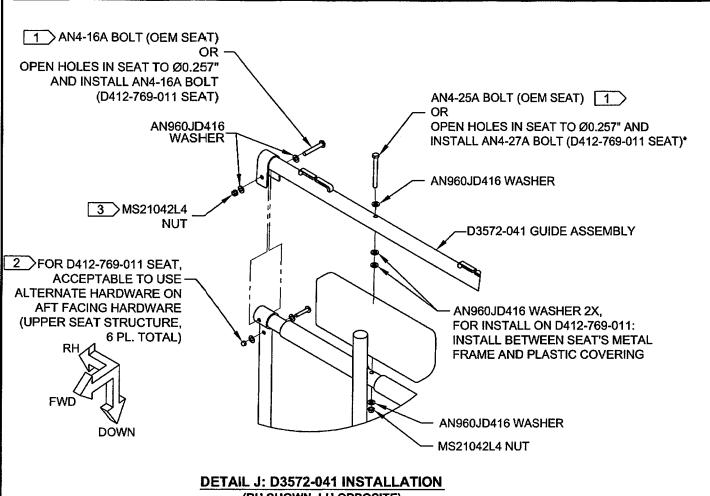


FIGURE 4.8. SHOULDER BELT INSTALLATION FIGURE 25.12 D412-702-045A/-045B 4-MAN 3-POINT AFT FACING SHOULDER HARNESS KIT



DESIGN	H	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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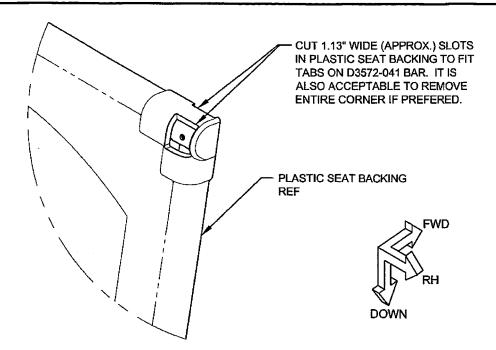


(RH SHOWN, LH OPPOSITE)

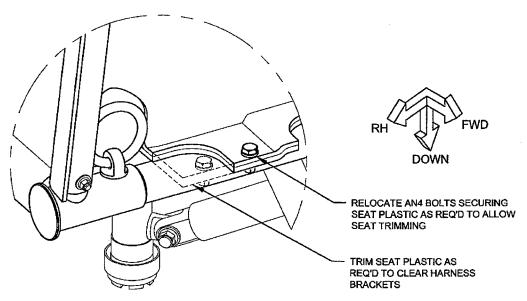
- 1 ACCEPTABLE TO USE LONGER/SHORTER AN4 BOLTS, ADD ADDITIONAL AN960JD416 WASHERS, OR SUBSTITUTE AN960JD416L WASHERS TO ENSURE 1.5-2 THREADS IN SAFETY
- 2 ACCEPTABLE TO USE MS51865-6C AS ALTERNATE NUT (6 PLACES TOTAL PER D412-769-011 SEAT KIT). IF ALT NUT IS USED, ADD AN960JD10/10L WASHER AS REQD (HEAD BOLT SIDE) TO ENSURE PROTRUDING THREADS MEASURE 0.160 MIN, 0.190 MAX. (BEFORE NUT INSTALLATION)
- 3 ACCEPTABLE TO USE MS51865-8C AS ALTERNATE NUT (2 PLACES TOTAL PER D412-769-011 SEAT KIT). IF ALT NUT IS USED, ADD AN960JD416/416L WASHER AS REQD (HEAD BOLT SIDE) TO ENSURE PROTRUDING THREADS MEASURE 0.200 MIN, 0.250 MAX. (BEFORE NUT INSTALLATION)

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01
BY: D. SHEPHERD (DE # 02)
DATE: 10.01.13 CERT. NO.: SH04-7 ISSUE NO.: 3

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DETAIL R VIEW LOOKING AT FRONT OF SEAT BACKING, TOP-RH CORNER SHOWN (TOP-LH CORNER SIMILAR), FOR INSTALL ON D412-769-011 ONLY



DETAIL S VIEW LOOKING AT REAR OF SEAT, BOTTOM-RH CORNER SHOWN (BOTTOM-LH CORNER SIMILAR), FOR INSTALL ON D412-769-011 ONLY

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION **BRANCH** DAO # 01-O-01

BY: MICHODE # 02)

DATE: 10.01.13 CERT. NO.: SH04-7

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MFG. APPR.	N/A	DSI 9469	SHEET 5 OF 5
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